CW#90&HW#90: Trapezoids

Geometry  
Due: Thursday, March 3rd

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE

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| ANGLES OF A TRAPEZOID Use what you know about the angle properties of trapezoids to solve for the missing angles. | | | |
| 1. Find *m*∠*F, m*∠*G,* and *m*∠*H* | | 1. Find *m∠B*, *m∠C*, and *m∠D*. | |
| 1. Find *m*∠*N, m*∠*L,* and *m*∠*M* | | 1. Find *m*∠*C, m*∠*A,* and *m*∠*D* | |
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| SPLIT INTO TRIANGLES Find the area of the trapezoid by drawing one diagonal and splitting it into two triangles. | | | |
| ../../../../../Desktop/Trapezoid/Diagonal_1.png  Area = | ../../../../../Desktop/Trapezoid/Diagonal%203.png  Area = | | ../../../../../Desktop/Trapezoid/Diagonal2.png  Area = |
| TRAPEZOID AREA FORMULA Find the area of the trapezoid by identifying base 1 , base 2, and the height and applying the area formula. | | | |
| ../../../../../Desktop/Trapezoid/Diagonal_1.png  Base 1 =  Base 2 =  Height =  Area = | ../../../../../Desktop/Trapezoid/Diagonal%203.png  Base 1 =  Base 2 =  Height =  Area = | | ../../../../../Desktop/Trapezoid/Diagonal2.png  Base 1 =  Base 2 =  Height =  Area = |

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| FIND THE AREA OF THE TRAPEZOID Use any method to solve for the area of the trapezoid. | | | |
| ../../../../../Desktop/Trapezoid/Formula1.png | ../../../../../Desktop/Trapezoid/Formula2.png | | ../../../../../Desktop/Trapezoid/Formula3.png |
| PERIMETER OF A TRAPEZOID Find the perimeter of the each trapezoid. | | | |
| ../../../../../Desktop/Trapezoid/Trapezoid_Per1.png | | ../../../../../Desktop/Trapezoid/Trapezoid_Per2.png | |
| ../../../../../Desktop/Trapezoid/Trapezoid_Perimeter.png | | ../../../../../Desktop/Trapezoid/Trapezoid_Perimeter.png | |
| APPLICATION PROBLEMS Use what you’ve learned about trapezoids to solve the problems below. | | | |
| Find the area of *ABCDEF*  Screen Shot 2014-02-24 at 12 | | The rectangle and the square have equal area. Find the perimeter of the entire hexagon in feet.  12 ft.  21 ft. 4 in. | |